

REVIEWED

By Tamara Salazar at 8:47 am, Jul 26, 2023

7/21/2023

Worklist: 6442

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
P2023-1915	1	BCK	Alcohol Analysis	
P2023-1955	1	BCK	Alcohol Analysis	
P2023-1956	1	BCK	Alcohol Analysis	
P2023-1957	1	BCK	Alcohol Analysis	
P2023-1958	1	BCK	Alcohol Analysis	
P2023-1973	1	CBUK	Alcohol Analysis	
P2023-1974	1	BCK	Alcohol Analysis	
P2023-1981	1	BCK	Alcohol Analysis	
P2023-1982	1	BCK	Alcohol Analysis	
P2023-1983	1	BCK	Alcohol Analysis	
P2023-1986	1	BCK	Alcohol Analysis	
P2023-1987	1	BCK	Alcohol Analysis	
P2023-1991	1	BCK	Alcohol Analysis	
P2023-1992	2	BCK	Alcohol Analysis	
P2023-2001	1	BCK	Alcohol Analysis	
P2023-2010	1	BCK	Alcohol Analysis	
P2023-2011	1	BCK	Alcohol Analysis	
P2023-2012	1	BCK	Alcohol Analysis	

Re-sampled all
and ran 7-24-23.
RC

RC

Quantitative Analysis for Ethanol & Qualitative Analysis for Other Volatiles

Analytical Method(s): 1.0

Device: Hamilton MICROLAB Liquid Processor/Dilutor Serial Number: ML600GB9897

Volatiles Quality Assurance Controls

Run Date(s): 07-24-2023

Calibration Date: (if different) : 07-21-2023

Worklist #: 6442

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jul-23	1907006	0.0764	0.0688-0.0840	0.0736 g/100cc 0.0802 g/100cc g/100cc
Level 2	Jul-23	1907007	0.2170	0.1953-0.2387	0.2100 g/100cc g/100cc g/100cc
Multi-Component mixture:		Exp:	2024 October	Lot #	FN06041902 OK
Curve Fit:		Column 1	0.99998	Column2	0.99994

Ethanol Calibration Reference Material

Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0505	0.0512	0.0007	0.0508
100	0.100	0.090 - 0.110	0.1002	0.1002	0	0.1002
200	0.200	0.180 - 0.220	0.1992	0.1986	0.0006	0.1989
300	0.300	0.270 - 0.330	0.2993	0.2987	0.0006	0.299
400	0.400	0.360 - 0.440			0	#DIV/0!
500	0.500	0.450 - 0.550	0.5005	0.5011	0.0006	0.5008

Aqueous Controls

Control level	Target Value	Acceptable Range	Overall Results
80	0.080	0.076 - 0.084	0.080 g/100cc

Revision: 5

Issue Date: 07/05/2022

Issuing Authority: Quality Manager

Internal Standard Monitoring Worksheet

Worklist #: 6442 Run Date(s): 07-24-2023

Internal Standard Solution: Prep Date: 6/28/2023 Exp Date: 12/28/2023

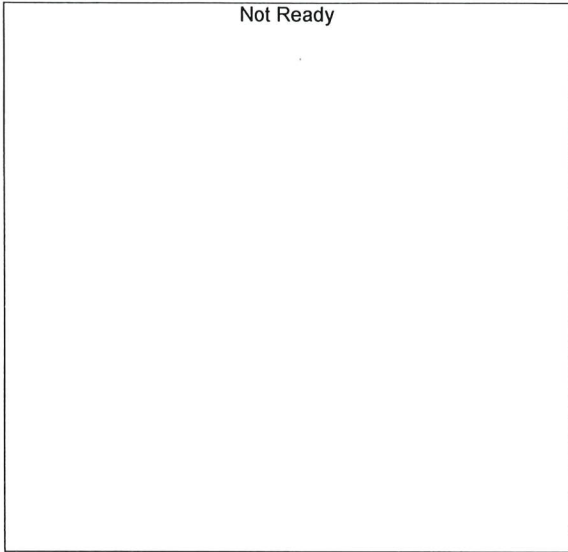
Sample Name	Column 1 Value	Column 2 Value
0.080	157453	163180
0.080	156558	162195
QC1	158531	164288
QC1	158926	164716
QC1	160086	165285
QC1	162344	167724
QC1		
QC1		
QC2	157705	162505
QC2	153639	158423
QC2		
QC2		
QC2		
QC2		

Average	(-)20%	(+)20%
Column 1 158155.3	126524.2	189786.3
Column 2 163539.5	130831.6	196247.4

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Calibration Table
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Laboratory: Pocatello
Instrument Name : G1KG333-Instrument1

<<Data File>>
Method File :Default Project - ALCOHOL_072123_RC.gcm
Batch File :Default Project - BATCH_072123_RC.gcb
Date Acquired :7/21/2023 11:27:19 AM
Date Created :7/21/2023 11:23:50 AM
Date Modified :7/22/2023 9:39:28 AM



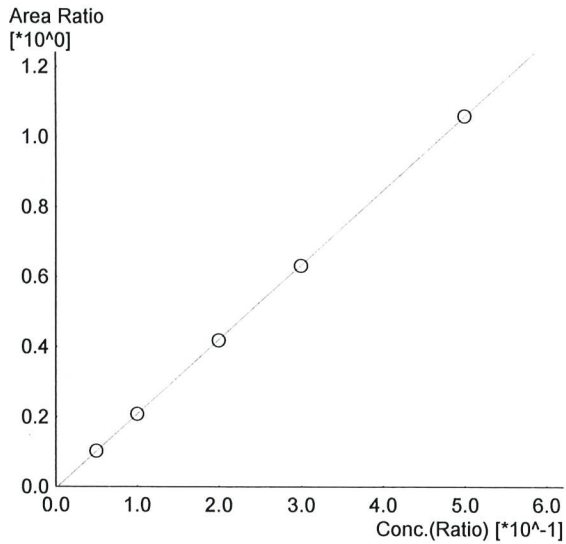
Name : METHANOL
Detector Name: FID1
Function : $f(x)=0*x+0$
R² value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name
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Name : ACETALDEHYDE
Detector Name: FID1
Function : $f(x)=0*x+0$
R² value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name
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Name : ETHANOL
 Detector Name: FID1
 Function : $f(x)=2.12525*x-0.00478613$
 R² value= 0.9999858 ✓
 FitType: Linear
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name
1	0.050	15685	0.0505	0.050_7212023_001.gcd
2	0.100	32245	0.1002	0.100_7212023_002.gcd
3	0.200	65651	0.1992	0.200_7212023_003.gcd
4	0.300	99546	0.2993	0.300_7212023_004.gcd
5	0.500	167679	0.5005	0.500_7212023_005.gcd



Name : ISOPROPYL ALCOHOL
 Detector Name: FID1
 Function : $f(x)=0*x+0$
 R² value= 0
 FitType: Linear
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name
---	-------	------	------------	----------------



Name : ACETONE
 Detector Name: FID1
 Function : $f(x)=0*x+0$
 R² value= 0
 FitType: Linear
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name
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AC

Not Ready

Name : DFE
Detector Name: FID1
Function : $f(x)=0*x+0$
R² value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name
---	-------	------	------------	----------------

Not Ready

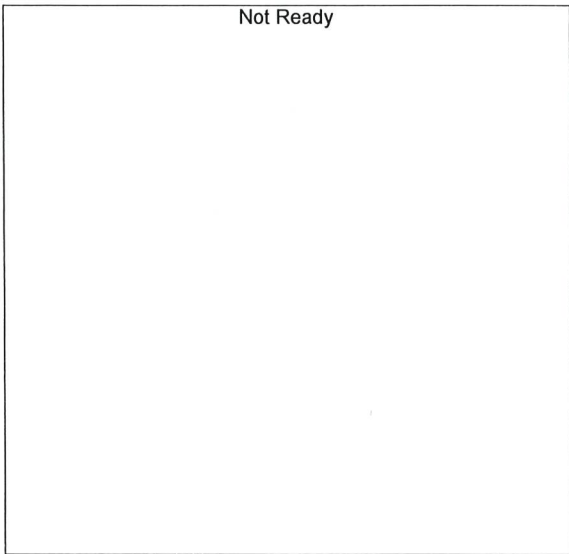
Name : TFE
Detector Name: FID1
Function : $f(x)=0*x+0$
R² value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name
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Not Ready

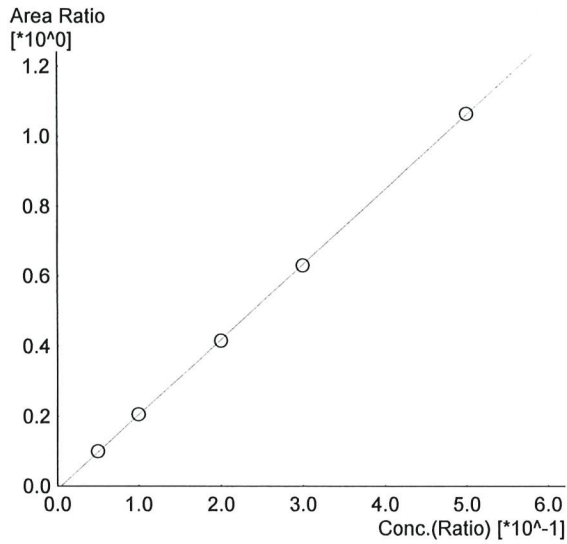
Name : ACETALDEHYDE
Detector Name: FID2
Function : $f(x)=0*x+0$
R² value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name
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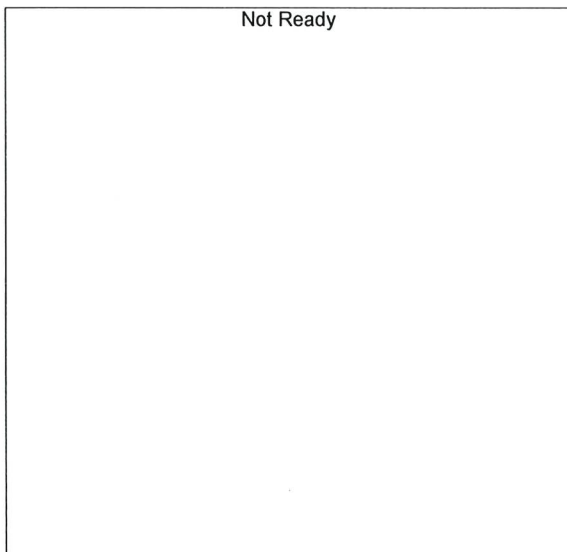
Name : METHANOL
 Detector Name: FID2
 Function : $f(x)=0*x+0$
 R² value= 0
 FitType: Linear
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name
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Name : ETHANOL
 Detector Name: FID2
 Function : $f(x)=2.14284*x-0.00986898$ ✓
 R² value= 0.9999493
 FitType: Linear
 ZeroThrough: Not Through

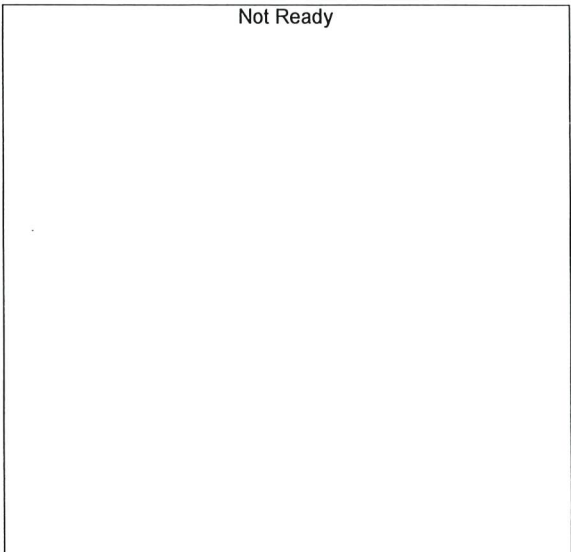
#	Conc.	Area	Std. Conc.	Data File Name
1	0.050	15820	0.0512	0.050_7212023_001.gcd
2	0.100	32850	0.1002	0.100_7212023_002.gcd
3	0.200	67391	0.1986	0.200_7212023_003.gcd
4	0.300	102615	0.2987	0.300_7212023_004.gcd
5	0.500	173652	0.5011	0.500_7212023_005.gcd



Name : ACETONE
 Detector Name: FID2
 Function : $f(x)=0*x+0$
 R² value= 0
 FitType: Linear
 ZeroThrough: Not Through

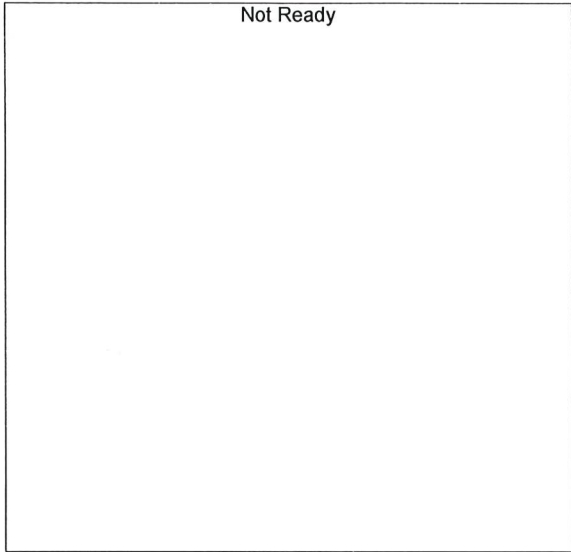
#	Conc.	Area	Std. Conc.	Data File Name
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AC



Name : ISOPROPYL ALCOHOL
Detector Name: FID2
Function : $f(x)=0*x+0$
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name
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Name : DFE
Detector Name: FID2
Function : $f(x)=0*x+0$
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

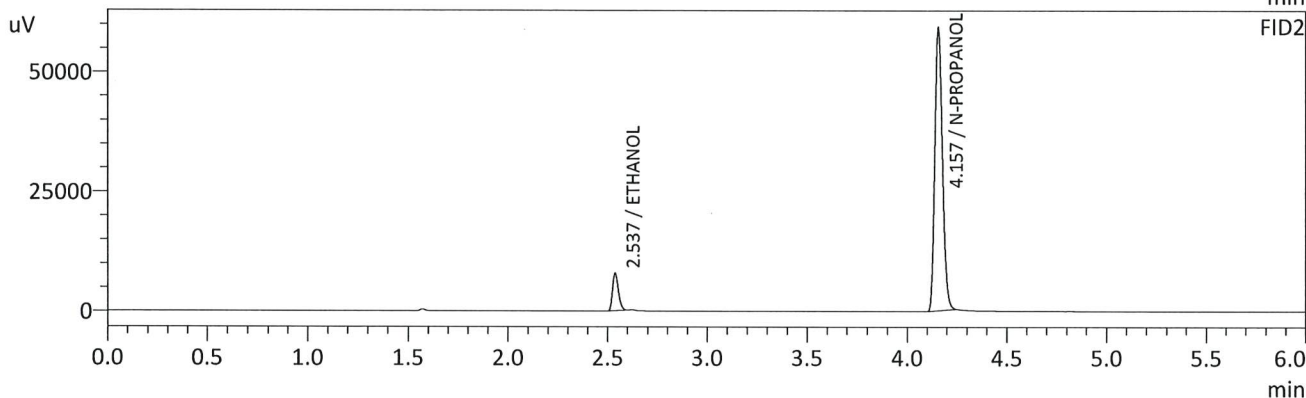
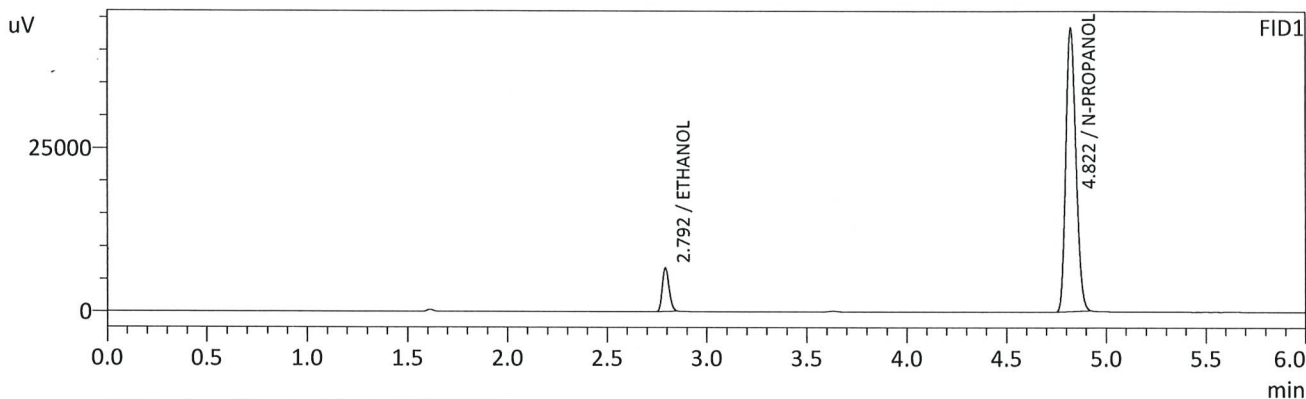
#	Conc.	Area	Std. Conc.	Data File Name
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Name : TFE
Detector Name: FID2
Function : $f(x)=0*x+0$
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name
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Sample Name : 0.050
 Vial # : 1
 Data Filename : 0.050_7212023_001.gcd
 Method Filename : ALCOHOL_072123_RC.gcm
 Batch Filename : BATCH_072123_RC.gcb
 Date Acquired : 7/21/2023 10:49:12 AM
 Date Processed : 7/22/2023 9:39:15 AM
 Default Project - G1KG333-Instrument1 - ALCOHOL.gcm



FID1

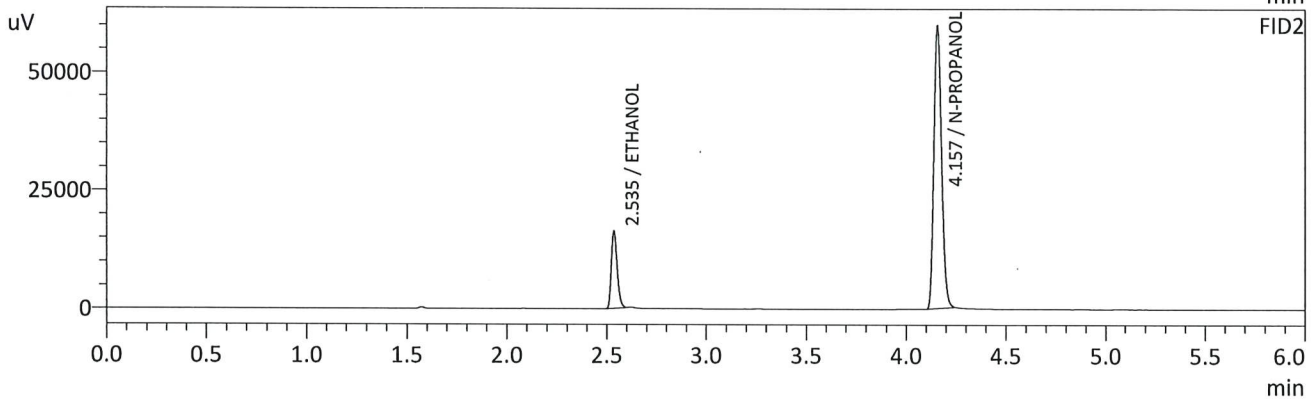
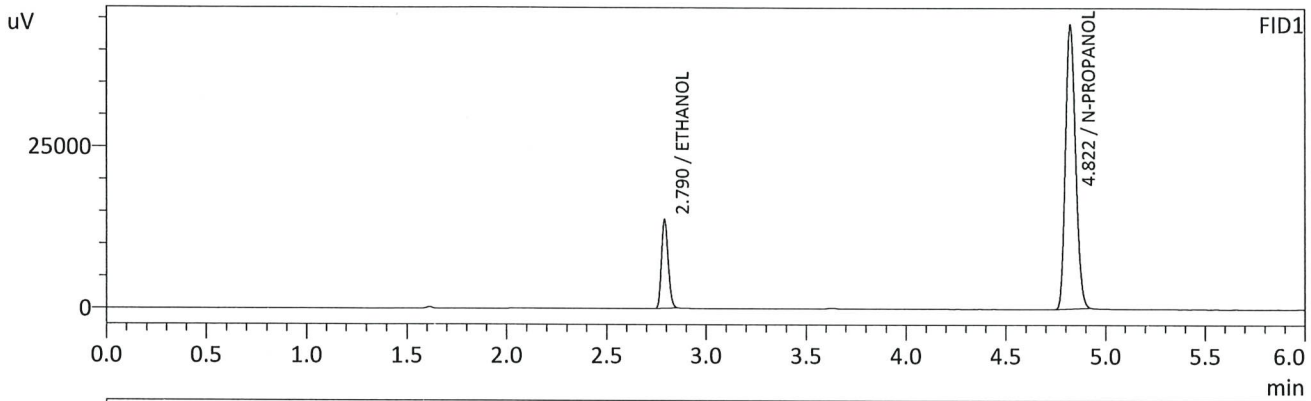
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0505	g/100cc	15685	6626
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	152712	43295
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0512	g/100cc	15820	7794
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	158287	59075
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

rc

Sample Name : 0.100
 Vial # : 2
 Data Filename : 0.100_7212023_002.gcd
 Method Filename : ALCOHOL_072123_RC.gcm
 Batch Filename : BATCH_072123_RC.gcb
 Date Acquired : 7/21/2023 10:58:42 AM
 Date Processed : 7/22/2023 9:39:19 AM
 Default Project - G1KG333-Instrument1 - ALCOHOL.gcm



FID1

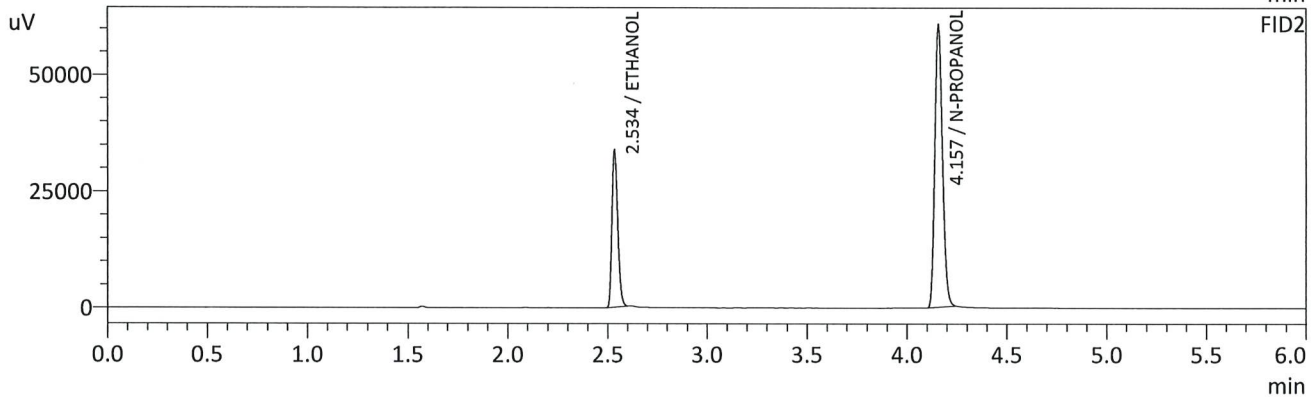
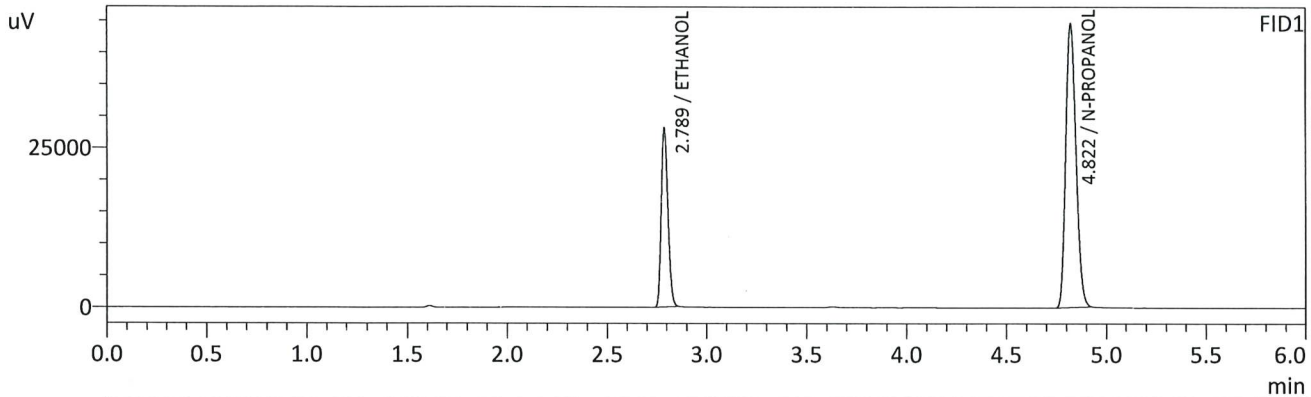
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.1002	g/100cc	32245	13680
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	154802	43955
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.1002	g/100cc	32850	16256
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	160237	59740
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

4RC

Sample Name : 0.200
 Vial # : 3
 Data Filename : 0.200_7212023_003.gcd
 Method Filename : ALCOHOL_072123_RC.gcm
 Batch Filename : BATCH_072123_RC.gcb
 Date Acquired : 7/21/2023 11:08:03 AM
 Date Processed : 7/22/2023 9:39:22 AM
 Default Project - G1KG333-Instrument1 - ALCOHOL.gcm



FID1

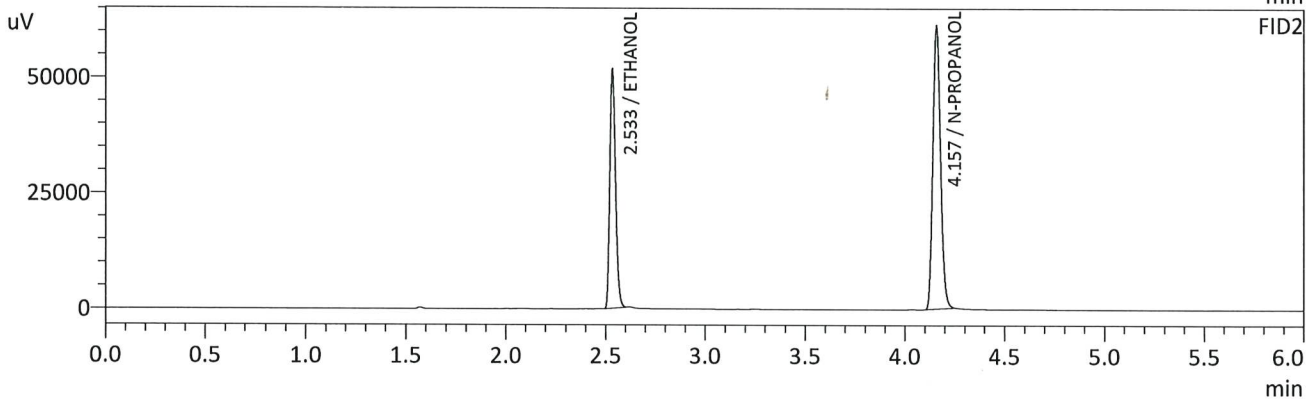
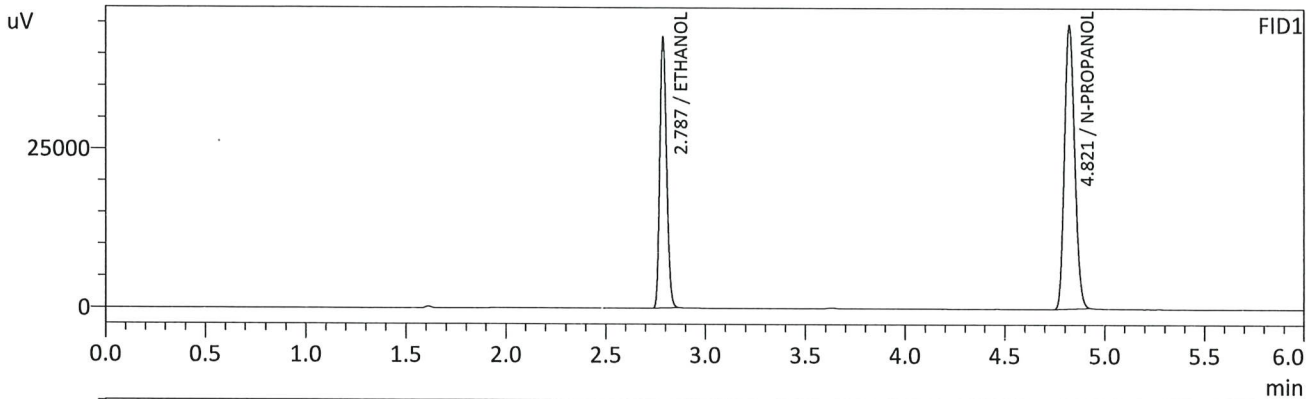
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.1992	g/100cc	65651	28054
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	156831	44458
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.1986	g/100cc	67391	33346
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	162099	60667
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

CHC

Sample Name : 0.300
 Vial # : 4
 Data Filename : 0.300_7212023_004.gcd
 Method Filename : ALCOHOL_072123_RC.gcm
 Batch Filename : BATCH_072123_RC.gcb
 Date Acquired : 7/21/2023 11:17:48 AM
 Date Processed : 7/22/2023 9:39:25 AM
 Default Project - G1KG333-Instrument1 - ALCOHOL.gcm



FID1

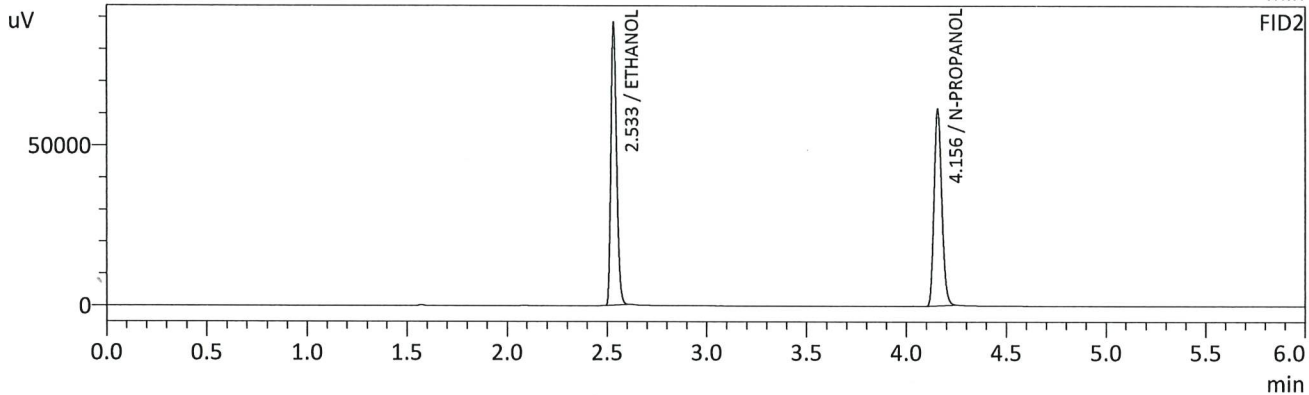
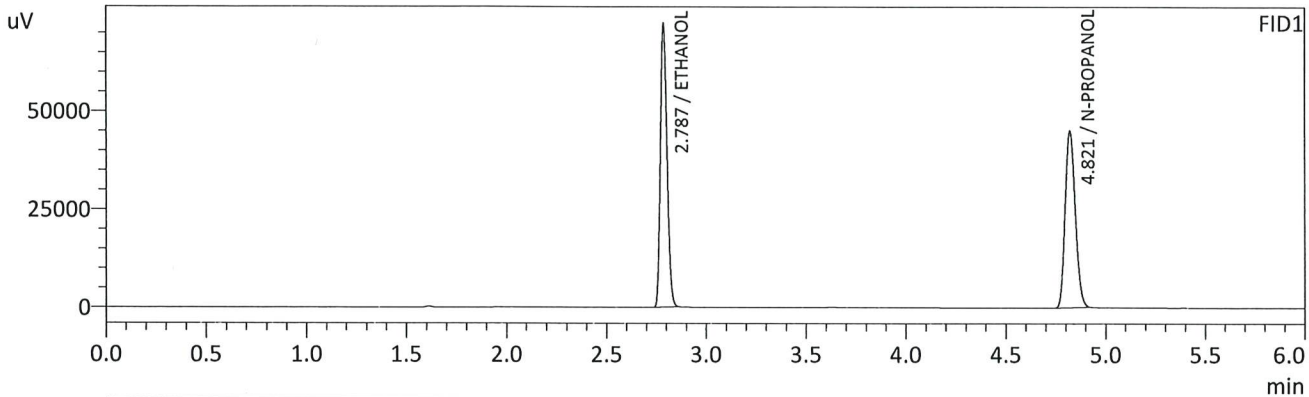
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2993	g/100cc	99546	42469
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	157666	44553
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2987	g/100cc	102615	51488
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	162820	61243
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

CAC

Sample Name : 0.500
 Vial # : 5
 Data Filename : 0.500_7212023_005.gcd
 Method Filename : ALCOHOL_072123_RC.gcm
 Batch Filename : BATCH_072123_RC.gcb
 Date Acquired : 7/21/2023 11:27:19 AM
 Date Processed : 7/22/2023 9:39:28 AM
 Default Project - G1KG333-Instrument1 - ALCOHOL.gcm



FID1

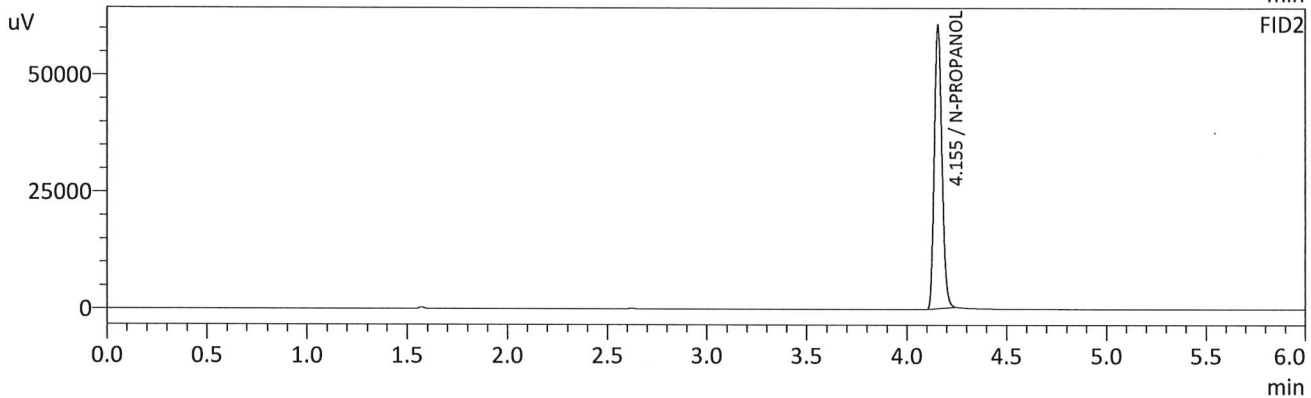
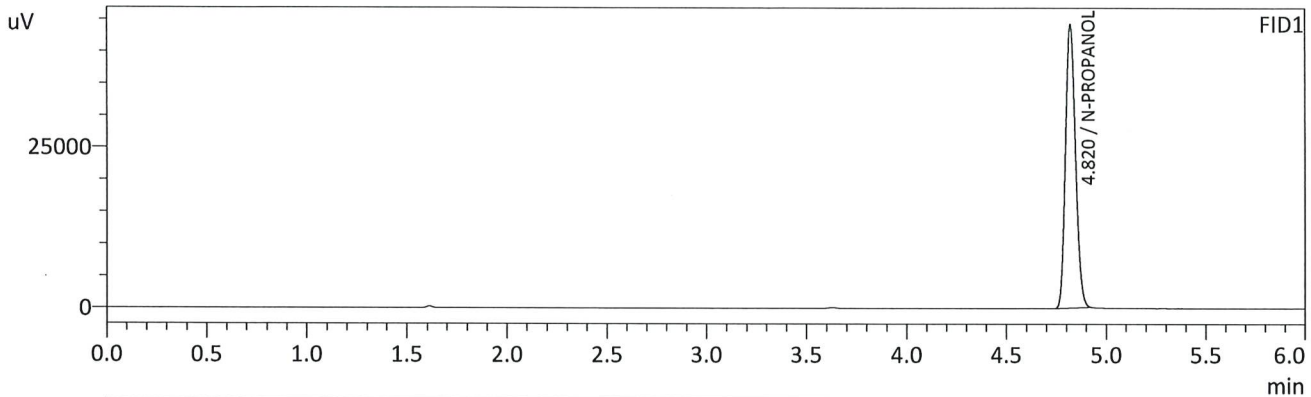
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.5005	g/100cc	167679	71522
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	158321	44818
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.5011	g/100cc	173652	87900
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	163206	61333
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

CRC

Sample Name : INT STD BLK 1
 Vial # : 1
 Data Filename : INT STD BLK 1_7242023_001.gcd
 Method Filename : ALCOHOL_072123_RC.gcm
 Batch Filename : BATCH_072423_RC.gcb
 Date Acquired : 7/24/2023 3:08:42 PM
 Date Processed : 7/24/2023 3:14:44 PM
 Default Project - G1KG333-Instrument1 - ALCOHOL_072123_RC.gcm



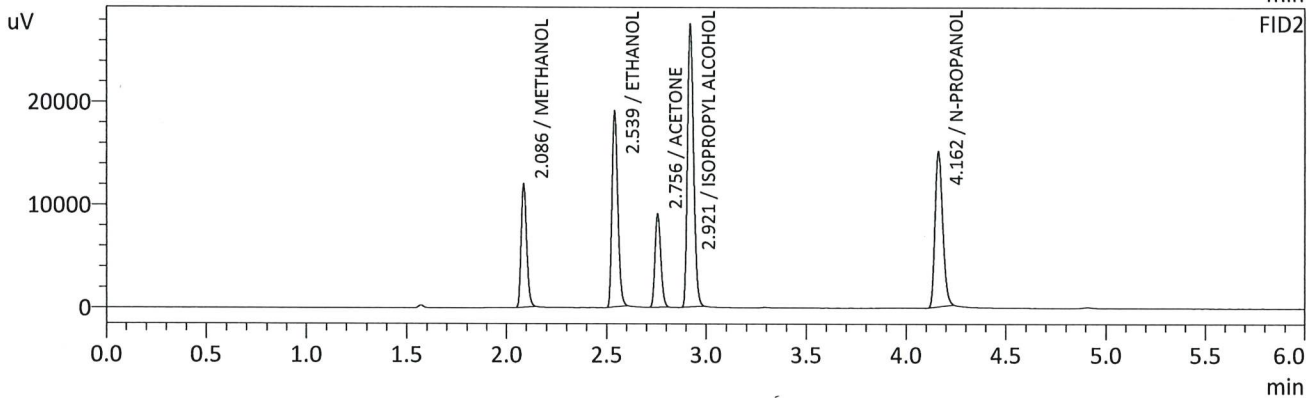
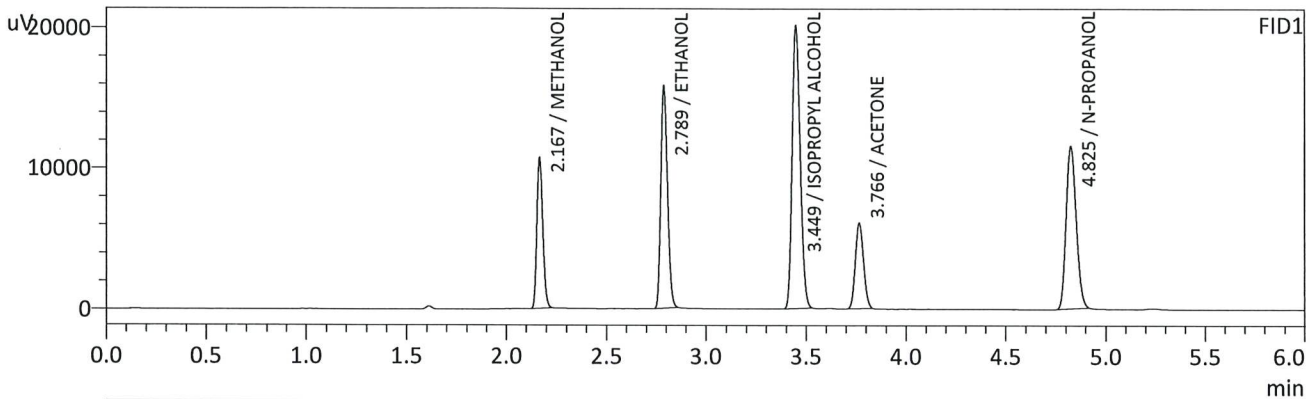
FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	155640	44179
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	160949	60488
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Sample Name : MULTI-COMP MIX
 Vial # : 2
 Data Filename : MULTI-COMP MIX_7242023_002.gcd
 Method Filename : ALCOHOL_072123_RC.gcm
 Batch Filename : BATCH_072423_RC.gcb
 Date Acquired : 7/24/2023 3:18:12 PM
 Date Processed : 7/24/2023 3:24:13 PM
 Default Project - G1KG333-Instrument1 - ALCOHOL_072123_RC.gcm



FID1

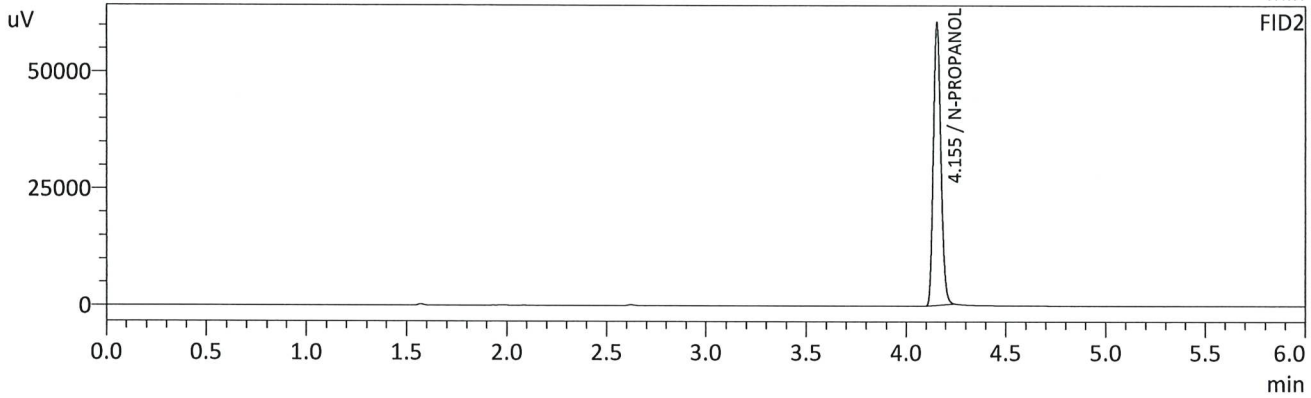
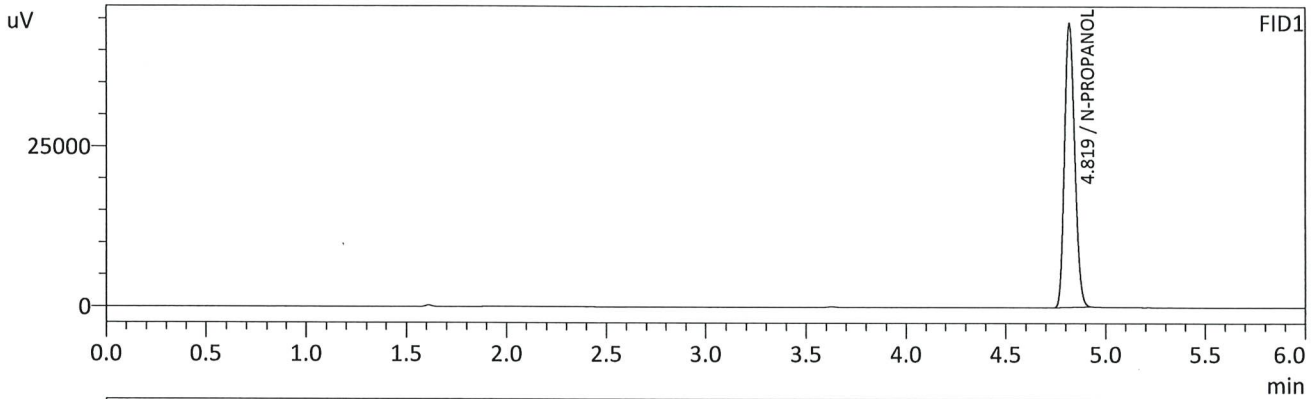
Name	Conc.	Unit	Area	Height
METHANOL	0.0000	g/100cc	22072	10647
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.4323	g/100cc	37023	15771
ISOPROPYL ALCOHOL	0.0000	g/100cc	56454	19943
ACETONE	0.0000	g/100cc	17401	6058
N-PROPANOL	0.0000	g/100cc	40504	11504
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	0.0000	g/100cc	22930	11857
ETHANOL	0.4465	g/100cc	38332	18769
ACETONE	0.0000	g/100cc	18308	9041
ISOPROPYL ALCOHOL	0.0000	g/100cc	58423	27235
N-PROPANOL	0.0000	g/100cc	40475	15062
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

MC

Sample Name : INT STD BLK 2
 Vial # : 3
 Data Filename : INT STD BLK 2_7242023_003.gcd
 Method Filename : ALCOHOL_072123_RC.gcm
 Batch Filename : BATCH_072423_RC.gcb
 Date Acquired : 7/24/2023 3:27:32 PM
 Date Processed : 7/24/2023 3:33:34 PM
 Default Project - G1KG333-Instrument1 - ALCOHOL_072123_RC.gcm



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	156056	44368
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	161678	60420
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC1-1			Analysis Date(s): 7/24/2023 3:37:17 PM(-06:00)			
	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0738	0.0739	0.0001	0.0738	0.0004	0.0736
(g/100cc)	0.0734	0.0734	0.0000	0.0734		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

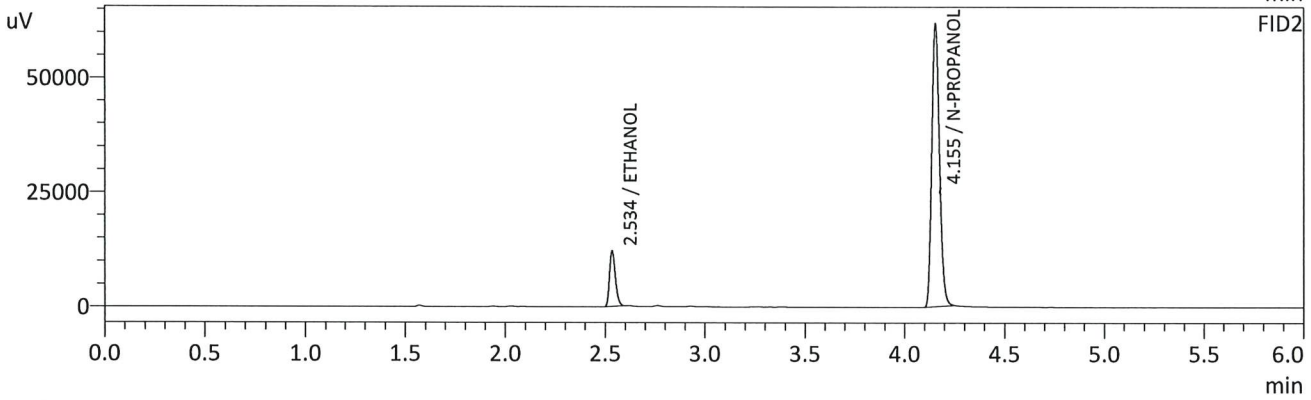
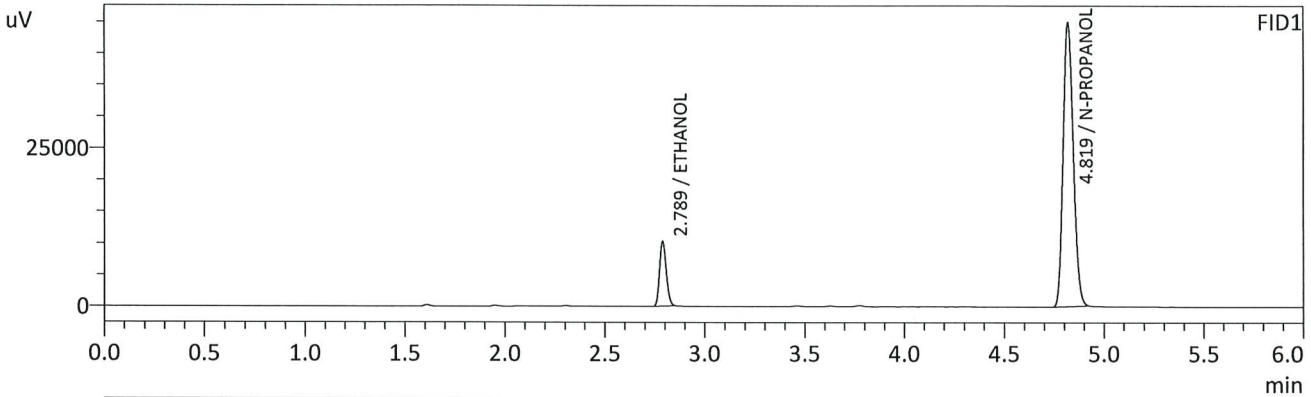
Refer To Instrument Method: ALCOHOL_072123_RC.gcm

Reporting of Results	Uncertainty of Measurements (UM%):		5.00%
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.073	0.069	0.077	0.004

	Reported Results
	0.073

Calibration and control data are stored centrally.

Sample Name : QC1-1
 Vial # : 4
 Data Filename : QC1-1_7242023_004.gcd
 Method Filename : ALCOHOL_072123_RC.gcm
 Batch Filename : BATCH_072423_RC.gcb
 Date Acquired : 7/24/2023 3:37:17 PM
 Date Processed : 7/24/2023 3:43:19 PM
 Default Project - G1KG333-Instrument1 - ALCOHOL_072123_RC.gcm



FID1

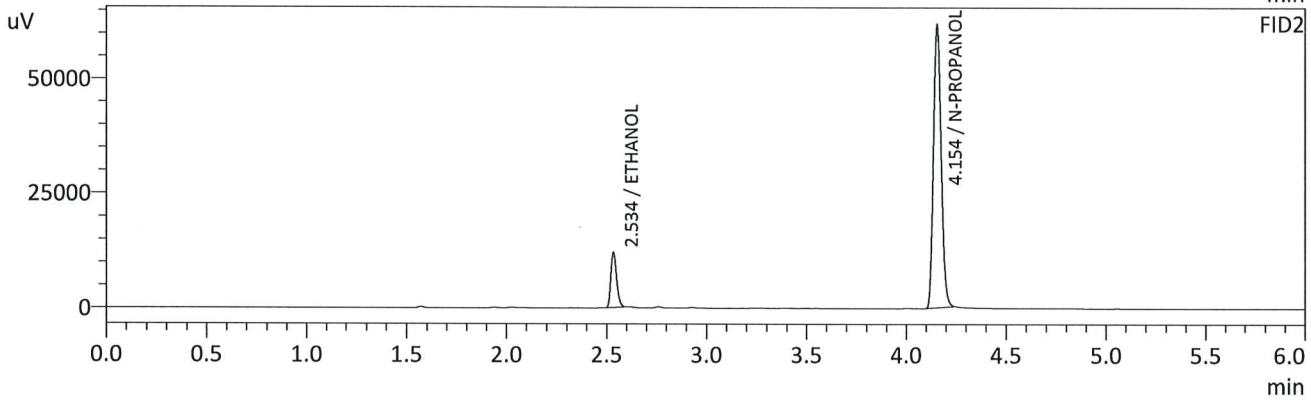
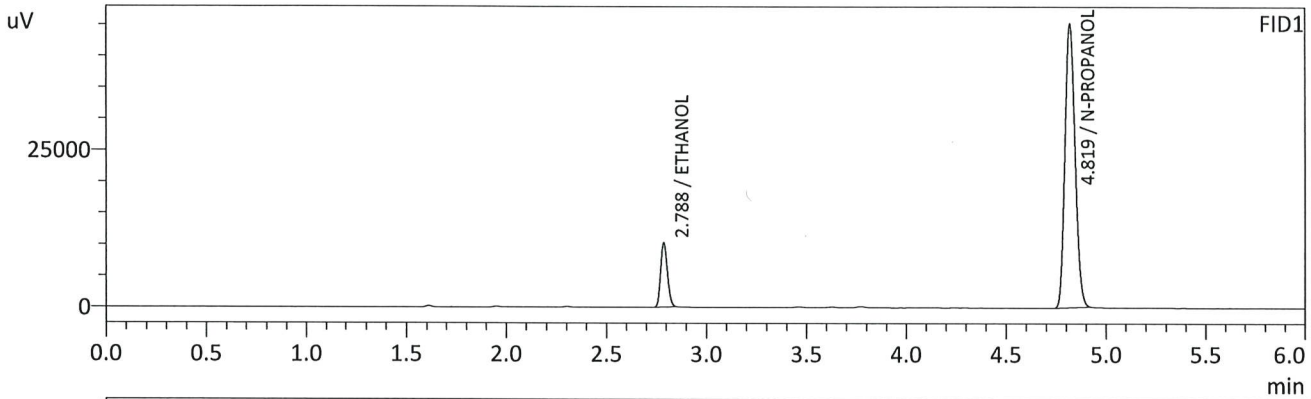
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0738	g/100cc	24120	10275
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	158531	44955
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0739	g/100cc	24406	11934
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	164288	61680
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

JAC

Sample Name : QC1-1-B
 Vial # : 5
 Data Filename : QC1-1-B_7242023_005.gcd
 Method Filename : ALCOHOL_072123_RC.gcm
 Batch Filename : BATCH_072423_RC.gcb
 Date Acquired : 7/24/2023 3:46:49 PM
 Date Processed : 7/24/2023 3:52:50 PM
 Default Project - G1KG333-Instrument1 - ALCOHOL_072123_RC.gcm



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0734	g/100cc	24034	10240
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	158926	45181
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0734	g/100cc	24311	11917
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	164716	61469
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

JPC

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: 0.08 QA		Analysis Date(s): 7/24/2023 3:56:06 PM(-06:00)				
	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0804	0.0806	0.0002	0.0805	0.0002	0.0806
(g/100cc)	0.0806	0.0808	0.0002	0.0807		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

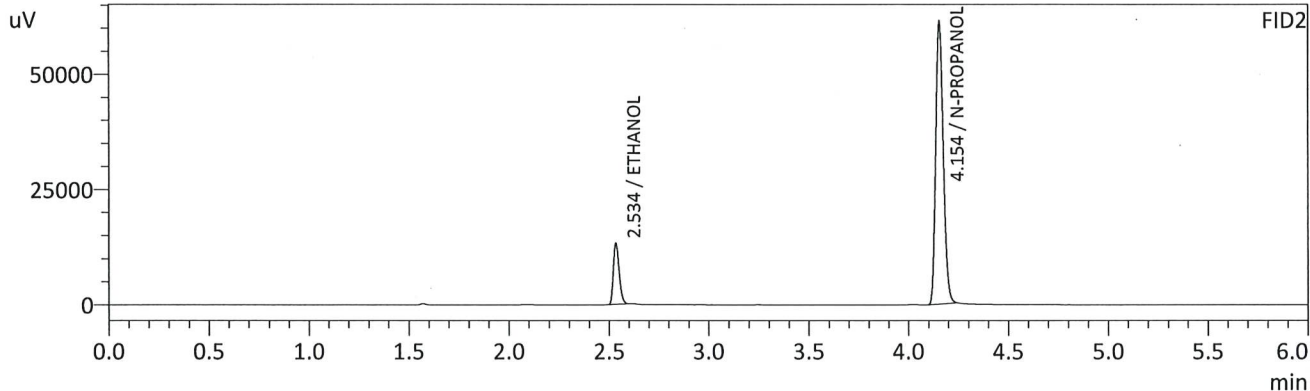
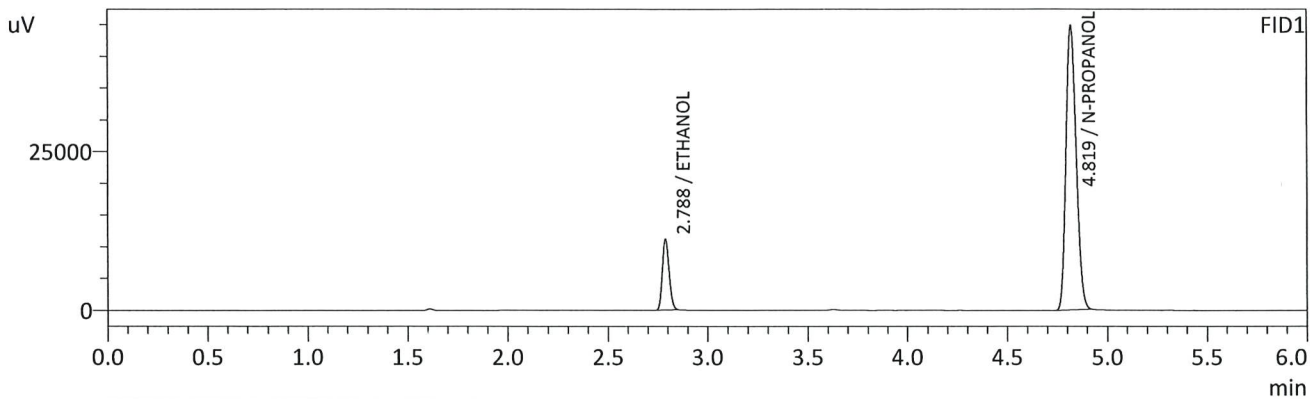
Refer To Instrument Method: ALCOHOL_072123_RC.gcm

Reporting of Results	Uncertainty of Measurements (UM%): 5.00%		
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.080	0.076	0.084	0.004

	Reported Results
	0.080

Calibration and control data are stored centrally.

Sample Name : 0.08 QA
 Vial # : 6
 Data Filename : 0.08 QA_7242023_006.gcd
 Method Filename : ALCOHOL_072123_RC.gcm
 Batch Filename : BATCH_072423_RC.gcb
 Date Acquired : 7/24/2023 3:56:06 PM
 Date Processed : 7/24/2023 4:02:08 PM
 Default Project - G1KG333-Instrument1 - ALCOHOL_072123_RC.gcm



FID1

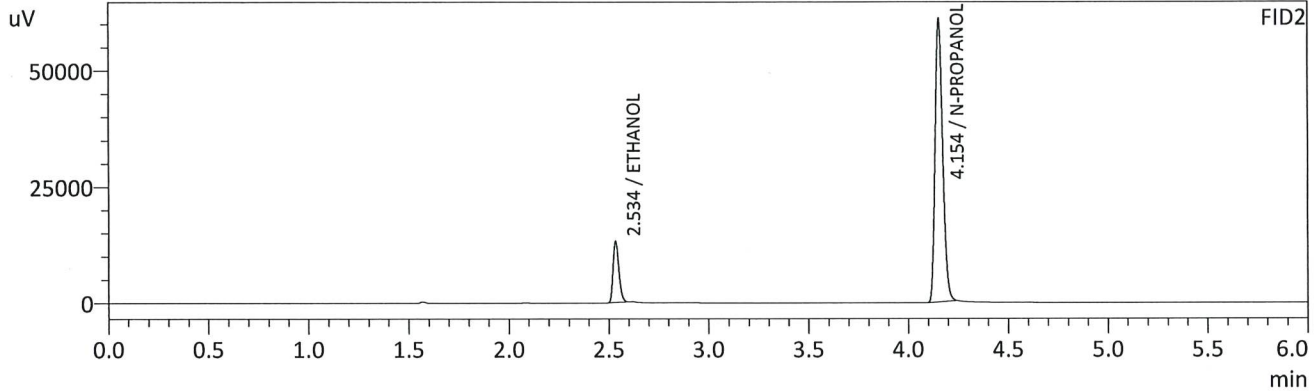
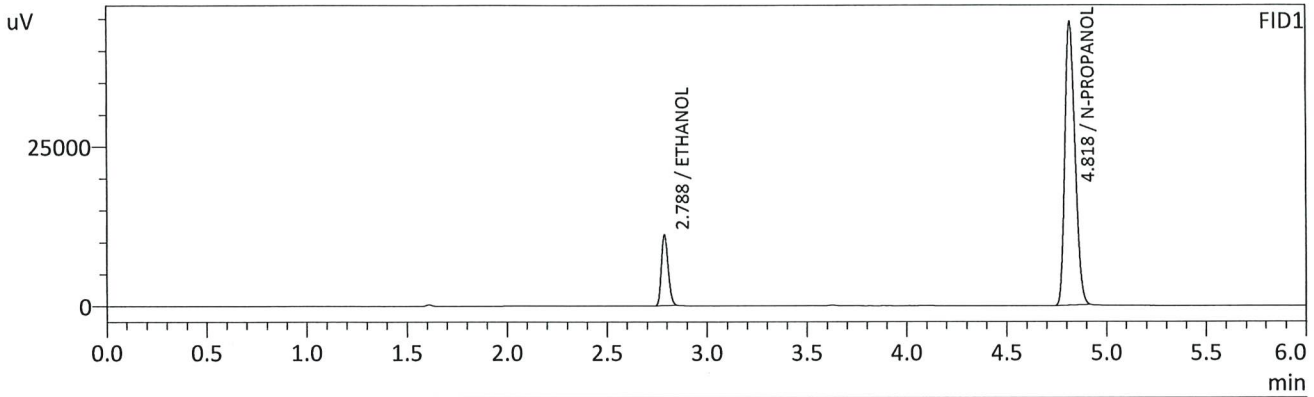
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0804	g/100cc	26180	11148
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	157453	44745
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0806	g/100cc	26578	13090
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	163180	60871
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

JRC

Sample Name : 0.08 QA - B
 Vial # : 7
 Data Filename : 0.08 QA - B_7242023_007.gcd
 Method Filename : ALCOHOL_072123_RC.gcm
 Batch Filename : BATCH_072423_RC.gcb
 Date Acquired : 7/24/2023 4:05:50 PM
 Date Processed : 7/24/2023 4:11:52 PM
 Default Project - G1KG333-Instrument1 - ALCOHOL_072123_RC.gcm



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0806	g/100cc	26071	11095
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	156558	44444
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0808	g/100cc	26484	12991
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	162195	60501
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

JRC

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC2-1		Analysis Date(s): 7/24/2023 7:06:44 PM(-06:00)				
	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2067	0.2075	0.0008	0.2071	0.0059	0.2100
(g/100cc)	0.2124	0.2136	0.0012	0.2130		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

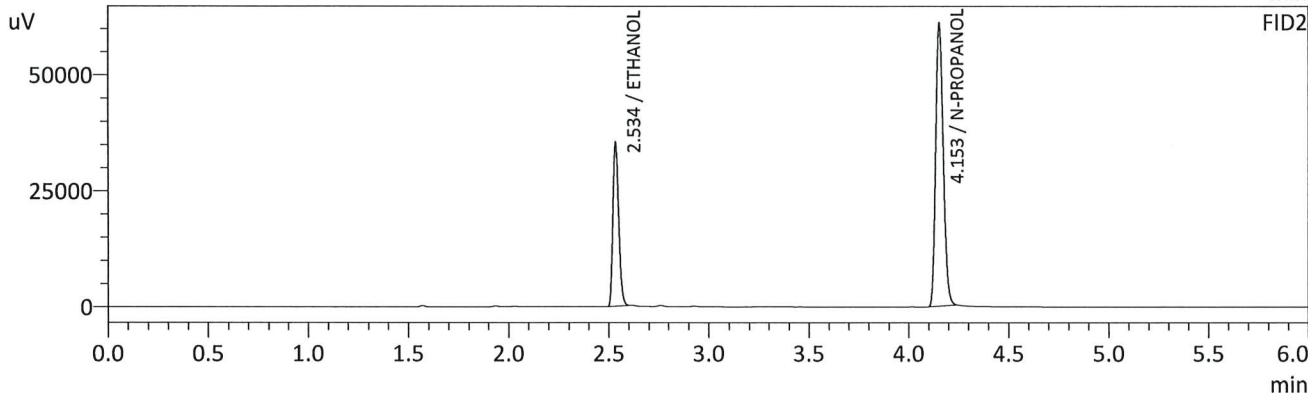
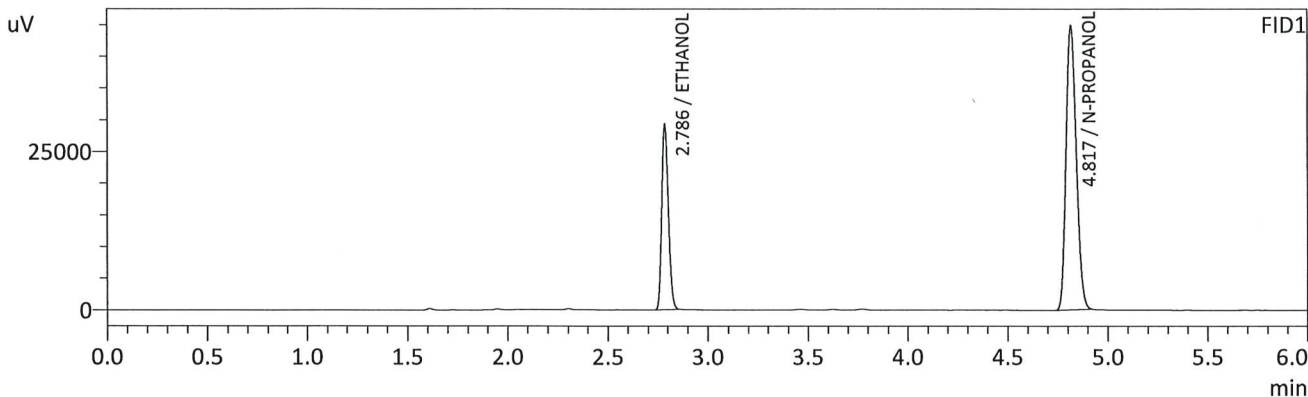
Refer To Instrument Method: ALCOHOL_072123_RC.gcm

Reporting of Results	Uncertainty of Measurements (UM%):		5.00%
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.210	0.199	0.221	0.011

	Reported Results	
	0.210	

Calibration and control data are stored centrally.

Sample Name : QC2-1
 Vial # : 26
 Data Filename : QC2-1_7242023_026.gcd
 Method Filename : ALCOHOL_072123_RC.gcm
 Batch Filename : BATCH_072423_RC.gcb
 Date Acquired : 7/24/2023 7:06:44 PM
 Date Processed : 7/24/2023 7:12:46 PM
 Default Project - G1KG333-Instrument1 - ALCOHOL_072123_RC.gcm



FID1

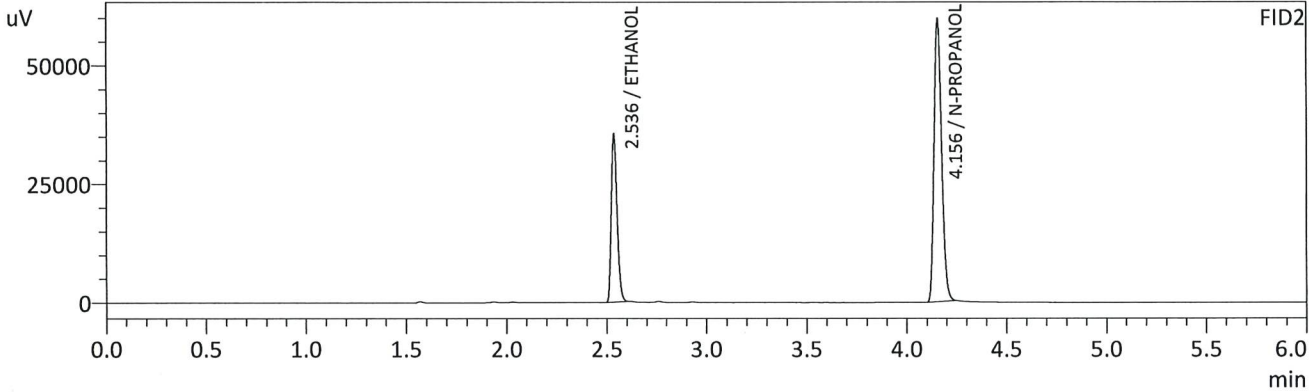
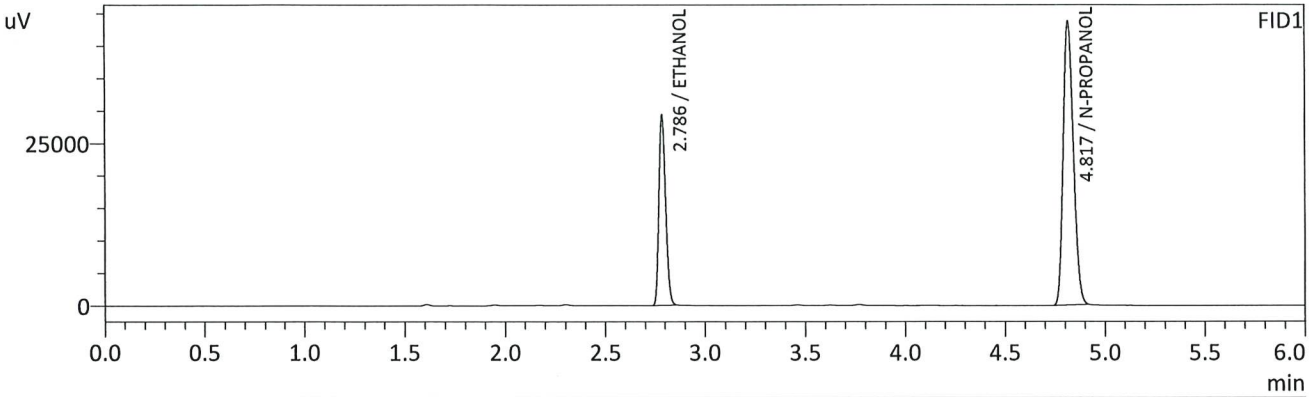
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2067	g/100cc	68540	29057
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	157705	44685
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2075	g/100cc	70668	35066
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	162505	60641
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

YRC

Sample Name : QC2-1-B
 Vial # : 27
 Data Filename : QC2-1-B_7242023_027.gcd
 Method Filename : ALCOHOL_072123_RC.gcm
 Batch Filename : BATCH_072423_RC.gcb
 Date Acquired : 7/24/2023 7:16:02 PM
 Date Processed : 7/24/2023 7:22:05 PM
 Default Project - G1KG333-Instrument1 - ALCOHOL_072123_RC.gcm



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2124	g/100cc	68621	28920
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	153639	43635
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2136	g/100cc	70975	35399
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	158423	59635
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC1-2		Analysis Date(s): 7/24/2023 10:35:56 PM(-06:00)				
	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0795	0.0804	0.0009	0.0799	0.0006	0.0802
(g/100cc)	0.0801	0.0809	0.0008	0.0805		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_072123_RC.gcm

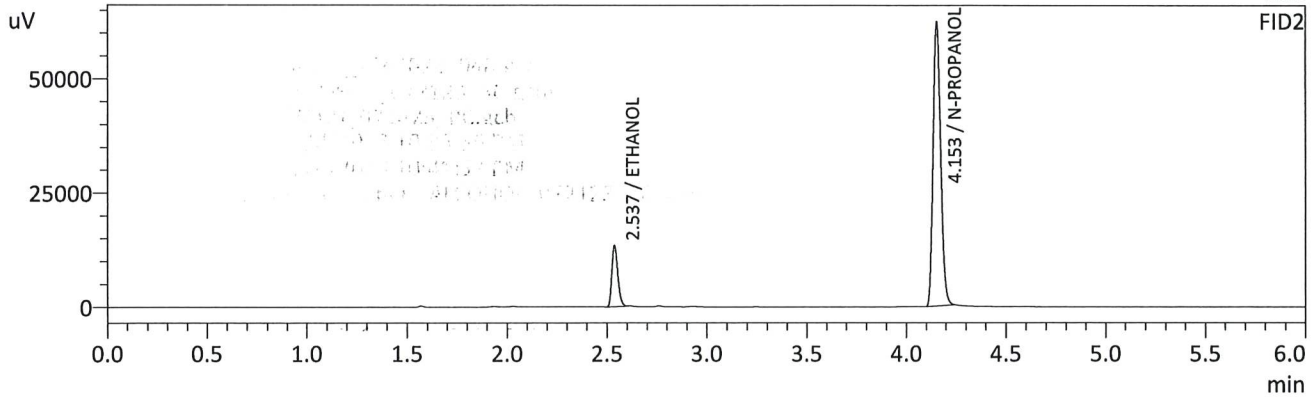
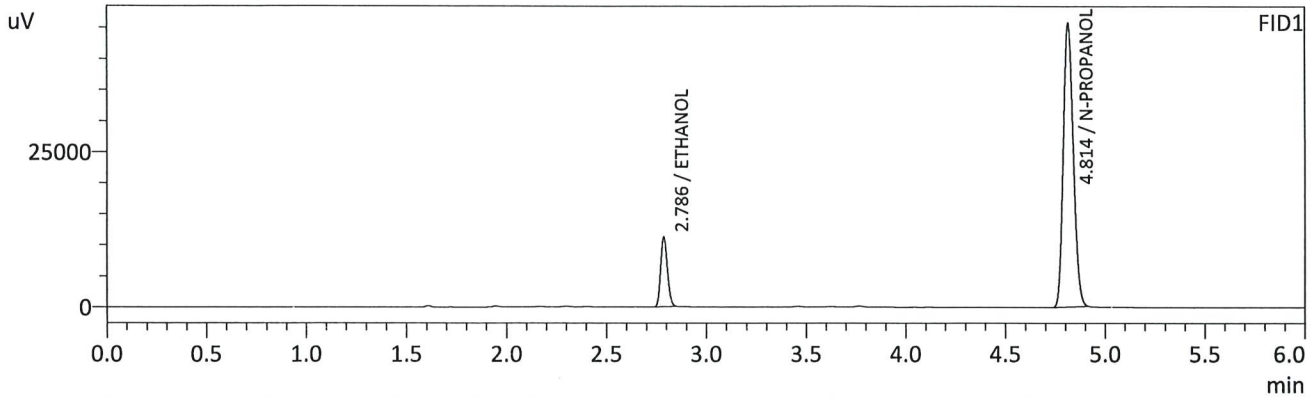
Reporting of Results	Uncertainty of Measurements (UM%): 5.00%		
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.080	0.076	0.084	0.004

	Reported Results
	0.080

Calibration and control data are stored centrally.

CAC

Sample Name : QC1-2
 Vial # : 48
 Data Filename : QC1-2_7242023_048.gcd
 Method Filename : ALCOHOL_072123_RC.gcm
 Batch Filename : BATCH_072423_RC.gcb
 Date Acquired : 7/24/2023 10:35:56 PM
 Date Processed : 7/24/2023 10:41:57 PM
 Default Project - G1KG333-Instrument1 - ALCOHOL_072123_RC.gcm



FID1

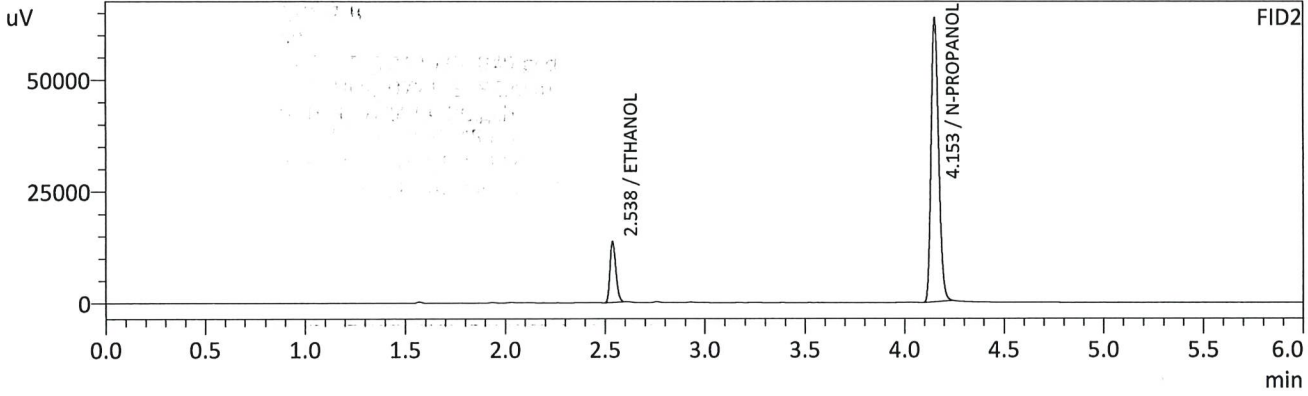
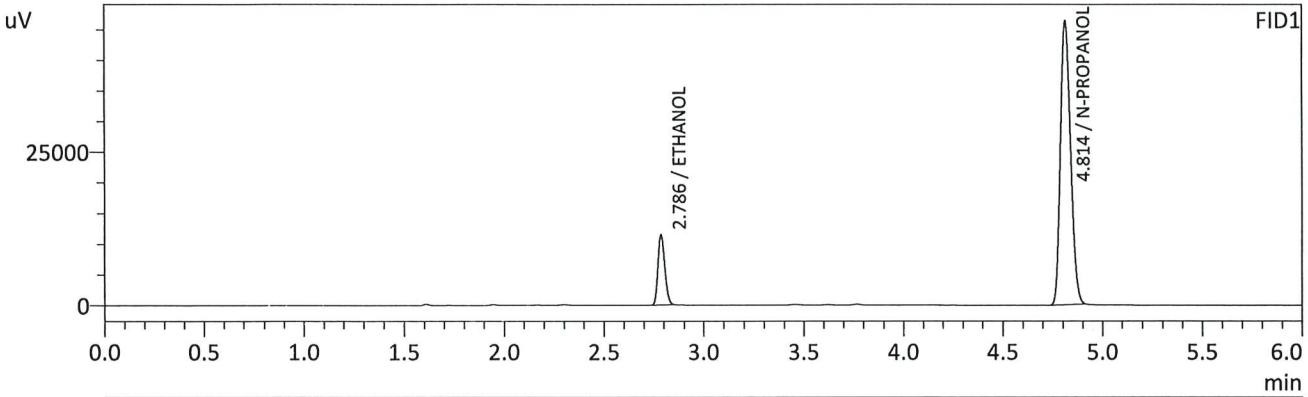
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0795	g/100cc	26307	11082
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	160086	45757
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0804	g/100cc	26875	13312
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	165285	61927
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

AC

Sample Name : QC1-2-B
 Vial # : 49
 Data Filename : QC1-2-B_7242023_049.gcd
 Method Filename : ALCOHOL_072123_RC.gcm
 Batch Filename : BATCH_072423_RC.gcb
 Date Acquired : 7/24/2023 10:45:45 PM
 Date Processed : 7/24/2023 10:51:47 PM
 Default Project - G1KG333-Instrument1 - ALCOHOL_072123_RC.gcm



FID1

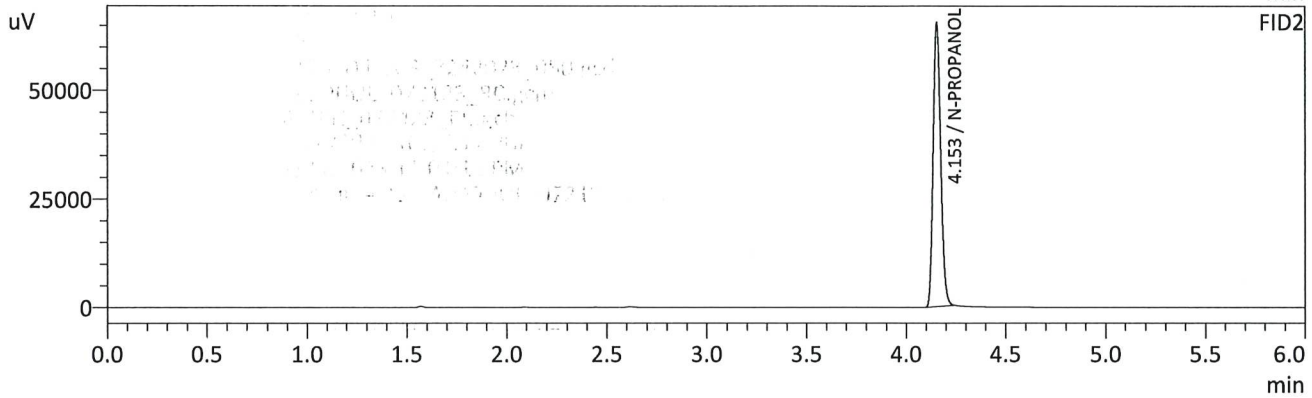
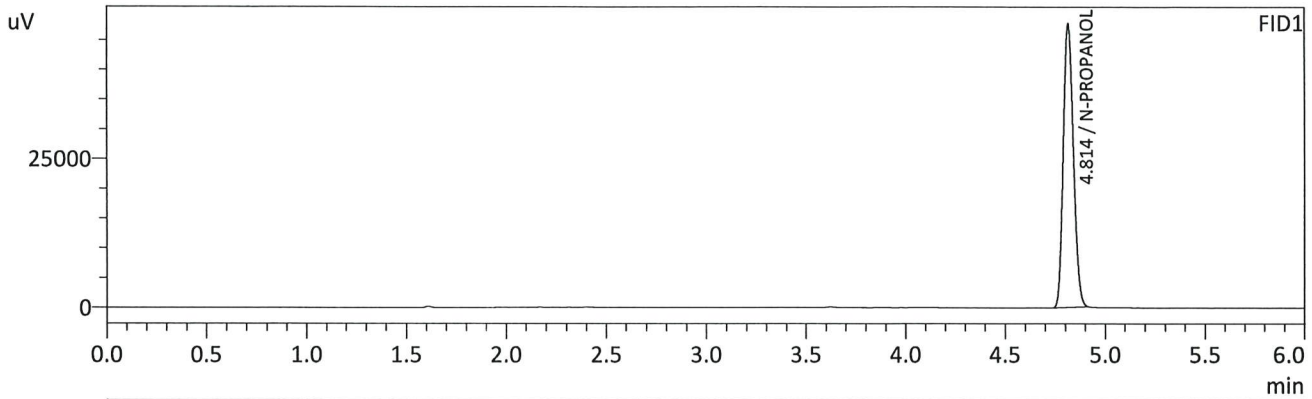
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0801	g/100cc	26880	11335
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	162344	46348
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0809	g/100cc	27453	13611
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	167724	63303
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

AC

Sample Name : INT STD BLK 3
 Vial # : 50
 Data Filename : INT STD BLK 3_7242023_050.gcd
 Method Filename : ALCOHOL_072123_RC.gcm
 Batch Filename : BATCH_072423_RC.gcb
 Date Acquired : 7/24/2023 10:55:11 PM
 Date Processed : 7/24/2023 11:01:12 PM
 Default Project - G1KG333-Instrument1 - ALCOHOL_072123_RC.gcm



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	166874	47751
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	172627	64953
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Handwritten signature/initials

Region 5 Pocatello Blood Alcohol Analysis Batch Table

Shimadzu Nexis GC-2030 Serial Number: C12255850662

Shimadzu HS-20 Serial Number: C12595700014

LabSolutions Version 6.117

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Vial#	Sample Name	Sample Type	Method File	Data File	Level#
1	INT STD BLK 1	0:Unknown	ALCOHOL_072123_RC.gcm	1-658 - INT STD BLK 1_7212023_006.gcd	0
2	MULTI-COMP MIX	0:Unknown	ALCOHOL_072123_RC.gcm	659 - MULTI-COMP MIX_7212023_007.gcd	1
3	INT STD BLK 2	0:Unknown	ALCOHOL_072123_RC.gcm	1-660 - INT STD BLK 2_7212023_008.gcd	0
4	QC1-1	0:Unknown	ALCOHOL_072123_RC.gcm	1-661 - QC1-1_7212023_009.gcd	0
5	QC1-1-B	0:Unknown	ALCOHOL_072123_RC.gcm	1-662 - QC1-1-B_7212023_010.gcd	0
6	0.08 QA	0:Unknown	ALCOHOL_072123_RC.gcm	1-663 - 0.08 QA_7212023_011.gcd	0
7	0.08 QA - B	0:Unknown	ALCOHOL_072123_RC.gcm	1-664 - 0.08 QA - B_7212023_012.gcd	0
8	P2023-1915-1	0:Unknown	ALCOHOL_072123_RC.gcm	1-665 - P2023-1915-1_7212023_013.gcd	0
9	P2023-1915-1-B	0:Unknown	ALCOHOL_072123_RC.gcm	1-666 - P2023-1915-1-B_7212023_014.gcd	0
10	P2023-1955-1	0:Unknown	ALCOHOL_072123_RC.gcm	1-667 - P2023-1955-1_7212023_015.gcd	0
11	P2023-1955-1-B	0:Unknown	ALCOHOL_072123_RC.gcm	1-668 - P2023-1955-1-B_7212023_016.gcd	0
12	P2023-1956-1	0:Unknown	ALCOHOL_072123_RC.gcm	1-669 - P2023-1956-1_7212023_017.gcd	0
13	P2023-1956-1-B	0:Unknown	ALCOHOL_072123_RC.gcm	1-670 - P2023-1956-1-B_7212023_018.gcd	0
14	P2023-1957-1	0:Unknown	ALCOHOL_072123_RC.gcm	1-671 - P2023-1957-1_7212023_019.gcd	0
15	P2023-1957-1-B	0:Unknown	ALCOHOL_072123_RC.gcm	1-672 - P2023-1957-1-B_7212023_020.gcd	0
16	P2023-1958-1	0:Unknown	ALCOHOL_072123_RC.gcm	1-673 - P2023-1958-1_7212023_021.gcd	0
17	P2023-1958-1-B	0:Unknown	ALCOHOL_072123_RC.gcm	1-674 - P2023-1958-1-B_7212023_022.gcd	0
18	P2023-1973-1	0:Unknown	ALCOHOL_072123_RC.gcm	1-675 - P2023-1973-1_7212023_023.gcd	0
19	P2023-1973-1-B	0:Unknown	ALCOHOL_072123_RC.gcm	1-676 - P2023-1973-1-B_7212023_024.gcd	0
20	P2023-1974-1	0:Unknown	ALCOHOL_072123_RC.gcm	1-677 - P2023-1974-1_7212023_025.gcd	0
21	P2023-1974-1-B	0:Unknown	ALCOHOL_072123_RC.gcm	1-678 - P2023-1974-1-B_7212023_026.gcd	0
22	P2023-1981-1	0:Unknown	ALCOHOL_072123_RC.gcm	1-679 - P2023-1981-1_7212023_027.gcd	0
23	P2023-1981-1-B	0:Unknown	ALCOHOL_072123_RC.gcm	1-680 - P2023-1981-1-B_7212023_028.gcd	0
24	P2023-1982-1	0:Unknown	ALCOHOL_072123_RC.gcm	1-681 - P2023-1982-1_7212023_029.gcd	0
25	P2023-1982-1-B	0:Unknown	ALCOHOL_072123_RC.gcm	1-682 - P2023-1982-1-B_7212023_030.gcd	0
26	QC2-1	0:Unknown	ALCOHOL_072123_RC.gcm	1-683 - QC2-1_7212023_031.gcd	0
27	QC2-1-B	0:Unknown	ALCOHOL_072123_RC.gcm	1-684 - QC2-1-B_7212023_032.gcd	0
28	P2023-1983-1	0:Unknown	ALCOHOL_072123_RC.gcm	1-685 - P2023-1983-1_7212023_033.gcd	0
29	P2023-1983-1-B	0:Unknown	ALCOHOL_072123_RC.gcm	1-686 - P2023-1983-1-B_7212023_034.gcd	0
30	P2023-1986-1	0:Unknown	ALCOHOL_072123_RC.gcm	1-687 - P2023-1986-1_7212023_035.gcd	0
31	P2023-1986-1-B	0:Unknown	ALCOHOL_072123_RC.gcm	1-688 - P2023-1986-1-B_7212023_036.gcd	0
32	P2023-1987-1	0:Unknown	ALCOHOL_072123_RC.gcm	1-689 - P2023-1987-1_7212023_037.gcd	0
33	P2023-1987-1-B	0:Unknown	ALCOHOL_072123_RC.gcm	1-690 - P2023-1987-1-B_7212023_038.gcd	0
34	P2023-1991-1	0:Unknown	ALCOHOL_072123_RC.gcm	1-691 - P2023-1991-1_7212023_039.gcd	0
35	P2023-1991-1-B	0:Unknown	ALCOHOL_072123_RC.gcm	1-692 - P2023-1991-1-B_7212023_040.gcd	0
36	P2023-1992-2	0:Unknown	ALCOHOL_072123_RC.gcm	1-693 - P2023-1992-2_7212023_041.gcd	0
37	P2023-1992-2-B	0:Unknown	ALCOHOL_072123_RC.gcm	1-694 - P2023-1992-2-B_7212023_042.gcd	0
38	P2023-2001-1	0:Unknown	ALCOHOL_072123_RC.gcm	1-695 - P2023-2001-1_7212023_043.gcd	0
39	P2023-2001-1-B	0:Unknown	ALCOHOL_072123_RC.gcm	1-696 - P2023-2001-1-B_7212023_044.gcd	0
40	P2023-2010-1	0:Unknown	ALCOHOL_072123_RC.gcm	1-697 - P2023-2010-1_7212023_045.gcd	0
41	P2023-2010-1-B	0:Unknown	ALCOHOL_072123_RC.gcm	1-698 - P2023-2010-1-B_7212023_046.gcd	0
42	P2023-2011-1	0:Unknown	ALCOHOL_072123_RC.gcm	1-699 - P2023-2011-1_7212023_047.gcd	0
43	P2023-2011-1-B	0:Unknown	ALCOHOL_072123_RC.gcm	1-700 - P2023-2011-1-B_7212023_048.gcd	0
44	P2023-2012-1	0:Unknown	ALCOHOL_072123_RC.gcm	1-701 - P2023-2012-1_7212023_049.gcd	0
45	P2023-2012-1-B	0:Unknown	ALCOHOL_072123_RC.gcm	1-702 - P2023-2012-1-B_7212023_050.gcd	0
46	P2023-2131-1	0:Unknown	ALCOHOL_072123_RC.gcm		0
47	P2023-2131-1-B	0:Unknown	ALCOHOL_072123_RC.gcm		0
48	QC1-2	0:Unknown	ALCOHOL_072123_RC.gcm	1-703 - QC1-2_7212023_051.gcd	0
49	QC1-2-B	0:Unknown	ALCOHOL_072123_RC.gcm	1-704 - QC1-2-B_7212023_052.gcd	0
50	INT STD BLK 3	0:Unknown	ALCOHOL_072123_RC.gcm	1-705 - INT STD BLK 3_7212023_053.gcd	0